

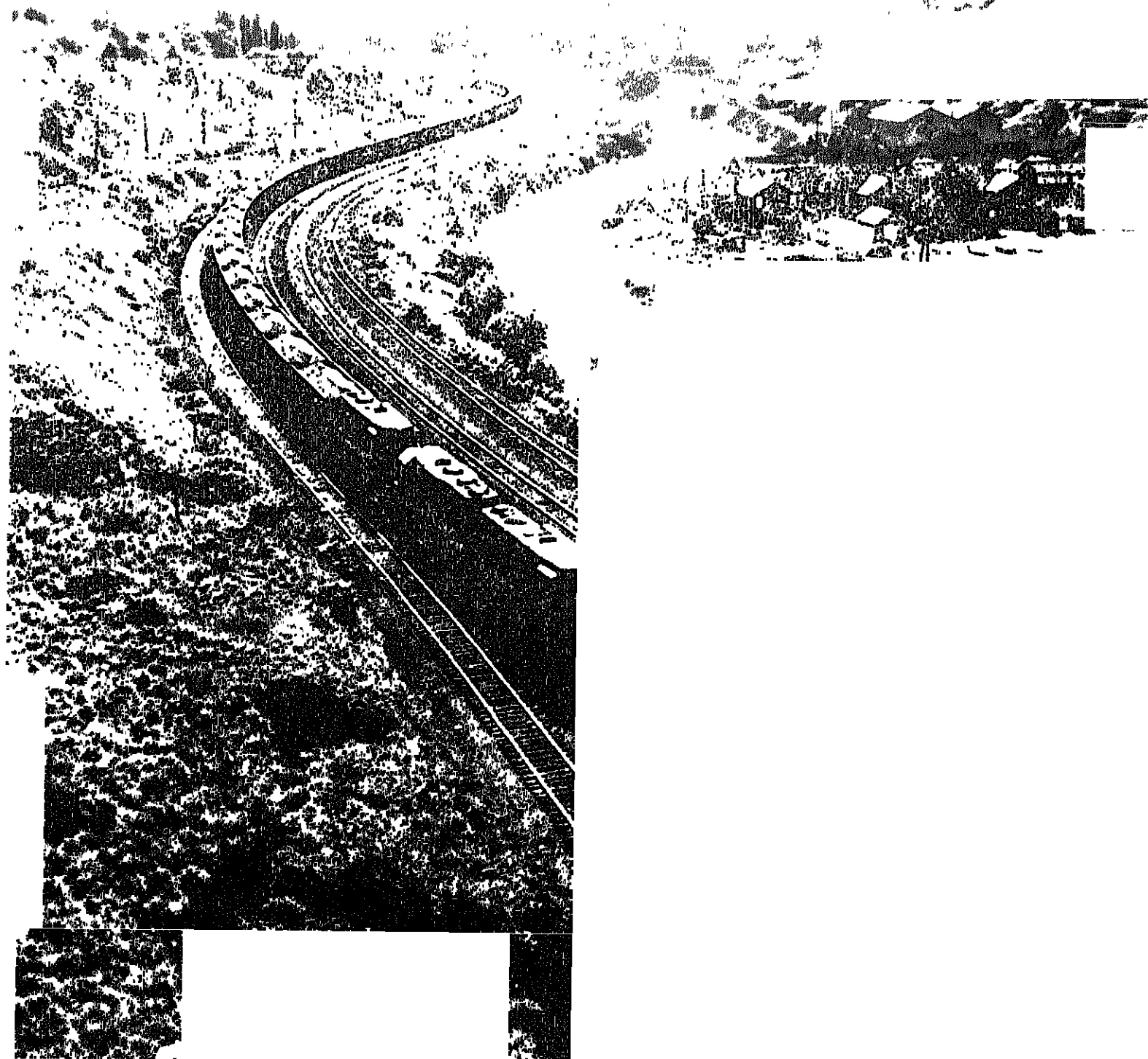




Energy  
Information  
Administration

# Weekly Coal Production

Production for Week Ended:  
June 22, 1991



## Preface

The *Weekly Coal Production (WCP)* provides weekly estimates of U.S. coal production by State. Supplementary data are usually published monthly in two supplements: the Coal Exports and Imports Supplement and the Domestic Market Supplement. This week's Coal Exports and Imports Supplement contains detailed monthly data on U.S. coal and coke exports and imports. The Domestic Market Supplement contains detailed monthly electric utility coal statistics, by Census Division and State, for generation, consumption, stocks, receipts, sulfur content, prices, and the origin and destination of coal shipments. This supplement also contains summary-level, monthly data for all coal-consuming sectors on a quarterly basis.

Preliminary coal production data are published quarterly, based on production data collected using Form EIA-6, "Coal Distribution Report." Based on 1988 and 1989 data, the coal production estimation error for a quarter at the national level (i.e., the difference between the sum of the weekly estimates for a quarter and the quarterly EIA-6 preliminary data) ranges from 1 percent to 4 percent for 1988 and 1 percent to 2 percent for 1989.

Final coal production data are published annually, based on the EIA-7A coal production survey. Based on 1988 and 1989 data, the revision error for a quarter at the national level (i.e., the difference between the EIA-6 preliminary data and the EIA-7A final data) ranges from 0.02 percent to 0.08 percent for 1988 and 0.09 percent to 0.14 percent for 1989.

This publication is prepared by the Coal Division; Office of Coal, Nuclear, Electric and Alternate Fuels; Energy Information Administration (EIA) to fulfill its data collection and dissemination responsibilities as specified in the Federal Energy Administration Act of 1974 (P.L. 93-275) as amended. *Weekly Coal Production* is intended for use by industry, press, State and local governments, and consumers. Other publications that may be of interest are the quarterly *Coal Distribution*, the *Quarterly Coal Report*, *Coal Production 1989*, and *Coal Data: A Reference*.

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## Summary

U.S. coal production in the week ended June 22, 1991, as estimated by the Energy Information Administration, totaled 20 million short tons. This was about the same as in the previous week, and in the comparable week in 1990. Production east of the Mississippi River totaled 12 million short tons, and production west of the Mississippi River totaled 7 million short tons.

U.S. coal exports in April 1991 totaled 7 million short tons, 2 million short tons less than in April 1990. The amount of coal exported from January through April 1991 was 29 million short tons, 6 percent less than in the same period in 1990. Based on an average price of \$44.49 per short ton, coal exports were valued at \$1.3 billion in the first 4 months of 1991.

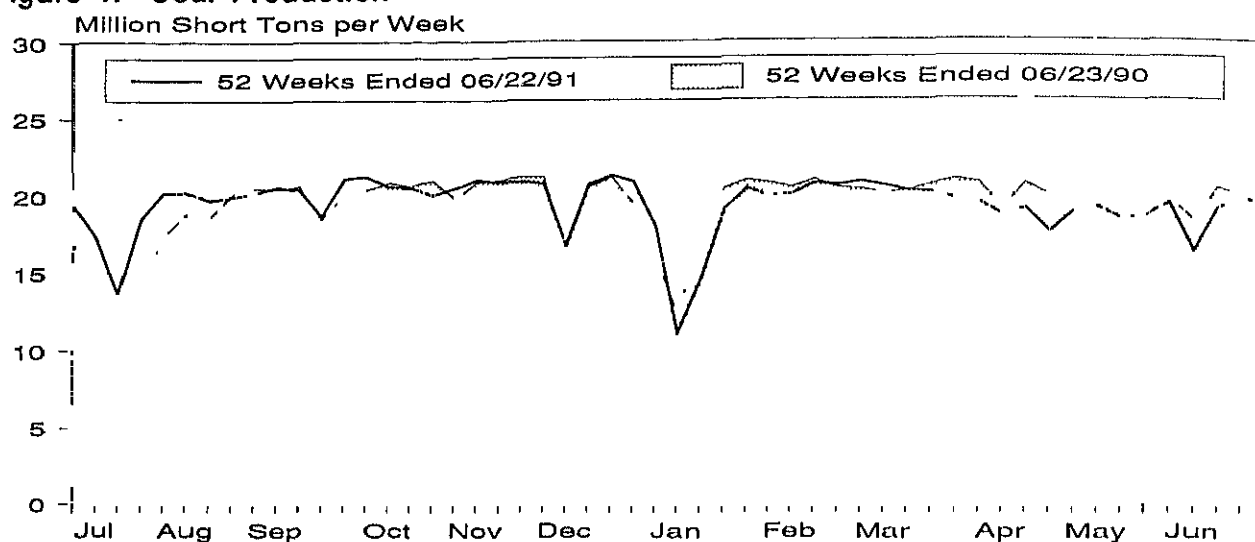
Steam coal exports in the first 4 months of 1991 amounted to 9 million short tons, 13 percent less than in the comparable period in 1990. Shipments to Canada were down by 86 percent, attributable to that country's economic slump and its effect on coal-fired electricity generation. By contrast, steam coal exports to Europe rose by 10 percent to 6 million short tons. Most of the increase was due to a 1 million-short-ton rise in shipments to the Netherlands, where U.S. coal helped compensate for a decline in the coal supply from European sources. The Netherlands and Italy were the two leading destinations for U.S. steam coal

exports to Europe, together accounting for 53 percent of the total. Shipments to Spain totaled over 250 thousand short tons, compared to virtually no exports in the first 4 months of 1990. However, steam coal shipments to France dropped by about three-fourths, reflecting the impact of nuclear power on electricity generation in that country. Steam coal exports to Taiwan, the leading Asian destination, went down about 1 million short tons. In comparison, shipments to Japan rose to over 800 thousand short tons.

Metallurgical coal exports through April 1991 totaled 20 million short tons, about the same as a year earlier. Shipments to Japan, the principal destination, declined slightly to 3 million short tons. Exports to Europe totaled 13 million short tons, virtually the same as a year earlier. The largest tonnage increases were to the Netherlands and Bulgaria. Metallurgical coal exports to Italy and West Germany fell 28 and 55 percent, respectively, reflecting declines in steel production.

U.S. coal imports in the first 4 months of 1991 totaled 1 million short tons, 24 percent more than in the same period in 1990. Coal imports were valued at \$38 million, based on an average price of \$33.42 per short ton. Colombia supplied about two-thirds of the coal imports. Most of the balance was from Canada and Venezuela.

**Figure 1. Coal Production**



**Table 1. Coal Production**

|  | Week Ended |          |          | 52 Weeks Ended |           |                |
|--|------------|----------|----------|----------------|-----------|----------------|
| Production and Carloadings                     | 06/22/91   | 06/15/91 | 06/23/90 | 06/22/91       | 06/23/90  | Percent Change |
| Production (Thousand Short Tons)               |            |          |          |                |           |                |
| Bituminous Coal <sup>1</sup> and Lignite . . . | 19,481     | 19,686   | 19,295   | 1,003,448      | 1,005,787 | -0.2           |
| Pennsylvania Anthracite . . . . .              | 56         | 64       | 66       | 2,785          | 3,121     | -10.8          |
| U.S. Total . . . . .                           | 19,537     | 19,750   | 19,360   | 1,006,233      | 1,008,907 | -0.3           |
| Railroad Cars Loaded . . . . .                 | 128,946    | 130,241  | 128,145  | 6,528,510      | 6,526,159 |                |

<sup>1</sup>Includes subbituminous coal.

Notes: All data are preliminary. Totals may not equal sum of components because of independent rounding.

Sources: Association of American Railroads, Transportation Division, Weekly Statement CS-54A; Energy Information Administration, Form EIA-6, "Coal Distribution Report"; Form EIA-7A, "Coal Production Report"; and State mining agency coal production reports.

**Table 2. Coal Production by State**  
(Thousand Short Tons)

| Region and State                                       | Week Ended    |               |               |
|--|---------------|---------------|---------------|
|  | 06/22/91      | 06/15/91      | 06/23/90      |
| <b>Bituminous Coal<sup>1</sup> and Lignite</b>         |               |               |               |
| East of the Mississippi . . . . .                      | 12,050        | 12,236        | 12,153        |
| Alabama . . . . .                                      | 573           | 544           | 616           |
| Illinois . . . . .                                     | 1,239         | 1,207         | 1,091         |
| Indiana . . . . .                                      | 793           | 811           | 641           |
| Kentucky . . . . .                                     | 3,131         | 3,181         | 3,256         |
| Kentucky, Eastern . . . . .                            | 2,393         | 2,433         | 2,426         |
| Kentucky, Western . . . . .                            | 738           | 748           | 829           |
| Maryland . . . . .                                     | 66            | 69            | 65            |
| Ohio . . . . .   | 685           | 709           | 657           |
| Pennsylvania Bituminous . . . . .                      | 1,331         | 1,489         | 1,372         |
| Tennessee . . . . .                                    | 124           | 115           | 140           |
| Virginia . . . . .                                     | 971           | 910           | 986           |
| West Virginia . . . . .                                | 3,138         | 3,203         | 3,329         |
| West of the Mississippi . . . . .                      | 7,431         | 7,450         | 7,142         |
| Alaska . . . . .                                       | 24            | 25            | 23            |
| Arizona . . . . .                                      | 207           | 209           | 151           |
| Arkansas . . . . .                                     | 1             | 1             | *             |
| Colorado . . . . .                                     | 394           | 376           | 361           |
| Iowa . . . . .   | 7             | 7             | 7             |
| Kansas . . . . .                                       | 16            | 16            | 15            |
| Louisiana . . . . .                                    | 22            | 46            | 9             |
| Missouri . . . . .                                     | 47            | 48            | 49            |
| Montana . . . . .                                      | 678           | 667           | 697           |
| New Mexico . . . . .                                   | 498           | 441           | 509           |
| North Dakota . . . . .                                 | 521           | 513           | 539           |
| Oklahoma . . . . .                                     | 35            | 35            | 36            |
| Texas . . . . .  | 1,097         | 1,108         | 1,032         |
| Utah . . . . .   | 454           | 431           | 417           |
| Washington . . . . .                                   | 93            | 93            | 96            |
| Wyoming . . . . .                                      | 3,336         | 3,434         | 3,203         |
| <b>Bituminous Coal<sup>1</sup> and Lignite Total .</b> | <b>19,481</b> | <b>19,686</b> | <b>19,295</b> |
| <b>Pennsylvania Anthracite . . . . .</b>               | <b>56</b>     | <b>64</b>     | <b>66</b>     |
| <b>U.S. Total . . . . .</b>                            | <b>19,537</b> | <b>19,750</b> | <b>19,360</b> |

<sup>1</sup>Includes subbituminous coal.

\*Less than 0.5 thousand short tons.

Notes: All data are preliminary. Totals may not equal sum of components because of independent rounding.

Sources: Association of American Railroads, Transportation Division, Weekly Statement CS-54A; Energy Information Administration, Form EIA-6, "Coal Distribution Report"; Form EIA-7A, "Coal Production Report"; and State mining agency coal production reports.



**Table 3. Coal Exports and Imports, 1982-1991**  
(Thousand Short Tons and Dollars per Short Ton)

| Year and Month          | Exports       |                            |                    |                            |          |                            | Imports  |               |
|-------------------------|---------------|----------------------------|--------------------|----------------------------|----------|----------------------------|----------|---------------|
|                         | Metallurgical |                            | Steam <sup>1</sup> |                            | Total    |                            | Quantity | Average Price |
|                         | Quantity      | Average Price <sup>2</sup> | Quantity           | Average Price <sup>2</sup> | Quantity | Average Price <sup>2</sup> |          |               |
| 1982 . . . . .          | 64,585        | \$61.07                    | 41,692             | \$49.11                    | 106,277  | \$56.37                    | 742      | \$30.40       |
| 1983 . . . . .          | 49,964        | 55.49                      | 27,807             | 46.18                      | 77,772   | 52.16                      | 1,271    | 33.59         |
| 1984 . . . . .          | 56,975        | 52.41                      | 24,508             | 46.77                      | 81,483   | 50.72                      | 1,286    | 35.37         |
| 1985 . . . . .          | 60,313        | 50.46                      | 32,367             | 43.92                      | 92,680   | 48.18                      | 1,952    | 36.04         |
| 1986 . . . . .          | 54,977        | 47.81                      | 30,541             | 42.60                      | 85,518   | 45.95                      | 2,212    | 36.02         |
| 1987 . . . . .          | 51,679        | 44.49                      | 27,928             | 39.60                      | 79,607   | 42.77                      | 1,747    | 32.04         |
| 1988 . . . . .          | 61,950        | 44.17                      | 33,073             | 38.59                      | 95,023   | 42.23                      | 2,134    | 29.96         |
| 1989                    |               |                            |                    |                            |          |                            |          |               |
| January . . . . .       | 4,488         | 43.92                      | 1,818              | 36.29                      | 6,306    | 41.72                      | 66       | 36.14         |
| February . . . . .      | 5,298         | 44.32                      | 1,450              | 37.14                      | 6,748    | 42.78                      | 131      | 31.89         |
| March . . . . .         | 6,163         | 44.17                      | 2,212              | 36.98                      | 8,375    | 42.27                      | 334      | 33.86         |
| April . . . . .         | 6,061         | 44.08                      | 3,042              | 38.46                      | 9,104    | 42.20                      | 158      | 31.46         |
| May . . . . .           | 6,303         | 45.40                      | 3,381              | 37.40                      | 9,685    | 42.61                      | 312      | 32.19         |
| June . . . . .          | 5,598         | 45.82                      | 4,059              | 38.14                      | 9,657    | 42.59                      | 218      | 39.04         |
| July . . . . .          | 3,881         | 45.77                      | 2,328              | 37.95                      | 6,209    | 42.84                      | 375      | 36.65         |
| August . . . . .        | 4,925         | 46.09                      | 3,197              | 37.30                      | 8,122    | 42.63                      | 247      | 33.85         |
| September . . . . .     | 5,754         | 45.94                      | 3,907              | 37.31                      | 9,661    | 42.45                      | 303      | 33.64         |
| October . . . . .       | 5,922         | 45.50                      | 3,371              | 37.97                      | 9,293    | 42.77                      | 160      | 33.20         |
| November . . . . .      | 6,026         | 45.81                      | 3,743              | 38.05                      | 9,768    | 42.84                      | 245      | 31.54         |
| December . . . . .      | 4,710         | 45.65                      | 3,179              | 37.66                      | 7,888    | 42.43                      | 303      | 35.09         |
| Total . . . . .         | 65,128        | 45.19                      | 35,687             | 37.64                      | 100,815  | 42.52                      | 2,851    | 34.14         |
| 1990                    |               |                            |                    |                            |          |                            |          |               |
| January . . . . .       | 4,901         | 45.72                      | 2,547              | 37.29                      | 7,447    | 42.84                      | 175      | 33.01         |
| February . . . . .      | 4,381         | 45.92                      | 1,862              | 36.36                      | 6,243    | 43.07                      | 268      | 35.91         |
| March . . . . .         | 6,254         | 45.78                      | 2,439              | 38.36                      | 8,693    | 43.70                      | 292      | 35.54         |
| April . . . . .         | 4,754         | 45.95                      | 3,836              | 38.60                      | 8,590    | 42.67                      | 182      | 31.45         |
| May . . . . .           | 5,643         | 46.81                      | 4,184              | 36.50                      | 9,827    | 42.42                      | 144      | 34.08         |
| June . . . . .          | 5,699         | 46.35                      | 3,616              | 36.35                      | 9,316    | 42.47                      | 348      | 34.65         |
| July . . . . .          | 5,495         | 46.82                      | 3,698              | 35.69                      | 9,194    | 42.34                      | 200      | 29.58         |
| August . . . . .        | 5,598         | 46.59                      | 4,467              | 37.57                      | 10,065   | 42.59                      | 120      | 35.72         |
| September . . . . .     | 5,567         | 46.70                      | 4,671              | 35.89                      | 10,238   | 41.76                      | 194      | 32.31         |
| October . . . . .       | 4,471         | 47.06                      | 4,286              | 36.41                      | 8,756    | 41.85                      | 284      | 41.32         |
| November . . . . .      | 5,805         | 46.42                      | 3,816              | 36.88                      | 9,621    | 42.63                      | 224      | 32.86         |
| December . . . . .      | 4,890         | 48.07                      | 2,923              | 36.32                      | 7,813    | 43.67                      | 268      | 33.40         |
| Total . . . . .         | 63,459        | 46.51                      | 42,345             | 36.81                      | 105,804  | 42.63                      | 2,699    | 34.45         |
| 1991                    |               |                            |                    |                            |          |                            |          |               |
| January . . . . .       | 3,853         | 47.87                      | 2,361              | 36.82                      | 6,214    | 43.67                      | 263      | 32.36         |
| February . . . . .      | 6,113         | 47.14                      | 2,013              | 39.67                      | 8,127    | 45.29                      | 429      | 34.87         |
| March . . . . .         | 5,178         | 47.69                      | 2,799              | 38.80                      | 7,977    | 44.57                      | 246      | 33.12         |
| April . . . . .         | 4,773         | 46.45                      | 2,145              | 39.17                      | 6,917    | 44.19                      | 198      | 32.09         |
| 1991 Year to Date . . . | 19,917        | 47.26                      | 9,319              | 38.57                      | 29,235   | 44.49                      | 1,136    | 33.42         |
| 1990 Year to Date . . . | 20,290        | 45.83                      | 10,683             | 37.84                      | 30,973   | 43.08                      | 917      | 34.35         |

<sup>1</sup>Includes bituminous, subbituminous, lignite, and anthracite.

<sup>2</sup>Average price of all coal exports in this category.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522" and "Monthly Report IM 145."

**Table 4. Coal Exports, April 1991**  
(Short Tons)

| Continent and Country<br>of Destination        | April<br>1991    | March<br>1991    | April<br>1990    | Year to Date      |                   | Percent<br>Change |
|--|------------------|------------------|------------------|-------------------|-------------------|-------------------|
|  |                  |                  |                  | 1991              | 1990              |                   |
| <b>North America Total</b> . . . . .           | <b>365,719</b>   | <b>9,566</b>     | <b>1,321,017</b> | <b>496,299</b>    | <b>2,107,735</b>  | <b>-76.5</b>      |
| Canada <sup>1</sup> . . . . .                  | 343,381          | 7,831            | 1,314,280        | 428,980           | 2,049,149         | -79.1             |
| Dominican Republic . . . . .                   | 18,441           | -                | -                | 37,730            | 21,825            | 72.9              |
| Jamaica . . . . .                              | -                | -                | -                | 18,055            | 16,250            | 11.1              |
| Mexico . . . . .                               | 3,897            | 1,713            | 6,009            | 11,312            | 18,969            | -40.4             |
| Other <sup>2</sup> . . . . .                   | -                | 22               | 728              | 222               | 1,542             | -85.6             |
| <b>South America Total</b> . . . . .           | <b>727,306</b>   | <b>579,842</b>   | <b>344,062</b>   | <b>2,237,553</b>  | <b>2,608,763</b>  | <b>-14.2</b>      |
| Argentina . . . . .                            | 771              | -                | -                | 103,633           | 259,827           | -60.1             |
| Brazil . . . . .                               | 690,414          | 542,774          | 300,985          | 2,011,894         | 2,162,199         | -7.0              |
| Chile . . . . .                                | 34,673           | 37,037           | 39,280           | 105,330           | 182,010           | -42.1             |
| Other <sup>2</sup> . . . . .                   | 1,448            | 31               | 3,797            | 16,696            | 4,727             | 253.2             |
| <b>Europe Total</b> . . . . .                  | <b>4,090,857</b> | <b>5,799,216</b> | <b>5,159,133</b> | <b>19,117,642</b> | <b>18,534,143</b> | <b>3.1</b>        |
| Albania . . . . .                              | -                | 22,402           | 24,860           | 67,654            | 71,224            | -5.0              |
| Belgium & Luxembourg . . . . .                 | 705,200          | 960,986          | 805,462          | 2,602,676         | 2,776,907         | -6.3              |
| Bulgaria . . . . .                             | 44,204           | -                | -                | 245,286           | 87,955            | 178.9             |
| Denmark . . . . .                              | 400,429          | 176,338          | 298,306          | 948,426           | 746,919           | 27.0              |
| Finland . . . . .                              | 51,018           | -                | -                | 84,452            | -                 | -                 |
| France . . . . .                               | 355,588          | 501,180          | 604,620          | 2,149,920         | 2,914,335         | -26.2             |
| Ireland . . . . .                              | 72,562           | 136,151          | 168,646          | 394,398           | 471,153           | -16.3             |
| Italy . . . . .                                | 696,657          | 1,088,540        | 1,121,613        | 3,380,331         | 3,998,151         | -15.5             |
| Netherlands . . . . .                          | 720,776          | 1,071,868        | 438,372          | 3,346,130         | 1,971,893         | 69.7              |
| Norway . . . . .                               | -                | 14,156           | 33,277           | 30,738            | 60,983            | -49.6             |
| Portugal . . . . .                             | 81,719           | 211,915          | 180,389          | 329,181           | 362,021           | -9.1              |
| Romania . . . . .                              | -                | 262,747          | 336,611          | 530,724           | 606,705           | -12.5             |
| Spain . . . . .                                | 196,730          | 557,488          | 181,996          | 1,519,879         | 1,168,217         | 30.1              |
| Sweden . . . . .                               | -                | 134,060          | 5,085            | 215,832           | 87,934            | 145.4             |
| Turkey . . . . .                               | 199,563          | 120,714          | 147,497          | 833,788           | 675,836           | 23.4              |
| United Kingdom . . . . .                       | 394,945          | 483,746          | 552,587          | 1,816,822         | 1,703,779         | 6.6               |
| West Germany . . . . .                         | 84,037           | 51,956           | 176,866          | 247,561           | 407,559           | -39.3             |
| Yugoslavia . . . . .                           | 82,128           | -                | 82,793           | 358,359           | 405,404           | -11.6             |
| Other <sup>2</sup> . . . . .                   | 5,301            | 4,969            | 153              | 15,485            | 17,168            | -9.8              |
| <b>Asia Total</b> . . . . .                    | <b>1,733,551</b> | <b>1,292,327</b> | <b>1,592,055</b> | <b>6,740,941</b>  | <b>7,117,969</b>  | <b>-5.3</b>       |
| China (Taiwan) . . . . .                       | 317,883          | 158,722          | 495,651          | 1,127,576         | 1,750,492         | -35.6             |
| Hong Kong . . . . .                            | -                | -                | -                | 227,857           | -                 | -                 |
| Israel . . . . .                               | -                | 133,185          | -                | 133,185           | 209,122           | -36.3             |
| Japan . . . . .                                | 1,040,832        | 805,336          | 968,770          | 4,035,818         | 3,959,489         | 1.9               |
| Korea, Republic of . . . . .                   | 371,821          | 192,911          | 127,634          | 1,208,019         | 1,198,409         | .8                |
| Other <sup>2</sup> . . . . .                   | 3,015            | 2,173            | -                | 8,486             | 457               | NM                |
| <b>Oceania &amp; Australia Total</b> . . . . . | <b>19</b>        | <b>56</b>        | <b>-</b>         | <b>75</b>         | <b>555</b>        | <b>-86.5</b>      |
| <b>Africa Total</b> . . . . .                  | <b>-</b>         | <b>296,254</b>   | <b>173,792</b>   | <b>642,884</b>    | <b>603,796</b>    | <b>6.5</b>        |
| Algeria . . . . .                              | -                | 63,844           | 57,396           | 176,443           | 101,501           | 73.8              |
| Egypt . . . . .                                | -                | 91,486           | 48,788           | 141,690           | 248,830           | -43.1             |
| Morocco . . . . .                              | -                | 140,924          | 67,608           | 255,966           | 253,465           | 1.0               |
| Other <sup>2</sup> . . . . .                   | -                | -                | -                | 68,785            | -                 | -                 |
| <b>Total</b> . . . . .                         | <b>6,917,452</b> | <b>7,977,261</b> | <b>8,590,059</b> | <b>29,235,394</b> | <b>30,972,961</b> | <b>-5.6</b>       |

<sup>NM</sup> Percent change calculation not meaningful as value is greater than 500.

<sup>1</sup>Based on the U.S.-Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government. For this reason the quantity and value for coal (metallurgical and steam) and the quantity for coke are no longer strictly comparable to the historical U.S. series.

<sup>2</sup>Includes countries with exports less than or equal to 50,000 short tons in 1990.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

**Table 5. Average Price of Coal Exports, April 1991**  
(Dollars per Short Ton)

| Continent and Country<br>of Destination        | April<br>1991  | March<br>1991  | April<br>1990  | Year to Date   |                | Percent<br>Change |
|--|----------------|----------------|----------------|----------------|----------------|-------------------|
|  |                |                |                | 1991           | 1990           |                   |
| <b>North America Total</b> . . . . .           | <b>\$37.82</b> | <b>\$37.79</b> | <b>\$34.18</b> | <b>\$36.38</b> | <b>\$34.24</b> | <b>6.3</b>        |
| Canada <sup>1</sup> . . . . .                  | 37.72          | 34.68          | 34.16          | 36.28          | 34.20          | 6.1               |
| Dominican Republic . . . . .                   | 39.12          | -              | -              | 39.12          | 36.38          | 7.5               |
| Jamaica . . . . .                              | -              | -              | -              | 33.48          | 30.57          | 9.5               |
| Mexico . . . . .                               | 39.71          | 48.57          | 37.70          | 40.45          | 39.49          | 2.4               |
| Other <sup>2</sup> . . . . .                   | -              | -              | 39.54          | 34.33          | 39.00          | -12.0             |
| <b>South America Total</b> . . . . .           | <b>46.39</b>   | <b>47.42</b>   | <b>45.71</b>   | <b>47.10</b>   | <b>45.29</b>   | <b>4.0</b>        |
| Argentina . . . . .                            | 34.45          | -              | -              | 47.31          | 43.89          | 7.8               |
| Brazil . . . . .                               | 46.91          | 48.17          | 46.72          | 47.74          | 46.23          | 3.3               |
| Chile . . . . .                                | 36.61          | 36.59          | 38.50          | 36.58          | 36.36          | .6                |
| Other <sup>2</sup> . . . . .                   | 34.47          | -              | 39.98          | 34.75          | 39.98          | -13.1             |
| <b>Europe Total</b> . . . . .                  | <b>43.97</b>   | <b>44.26</b>   | <b>43.74</b>   | <b>44.43</b>   | <b>43.81</b>   | <b>1.4</b>        |
| Albania . . . . .                              | -              | 46.27          | 49.90          | 46.27          | 48.38          | -4.4              |
| Belgium & Luxembourg . . . . .                 | 46.72          | 43.63          | 42.88          | 46.10          | 44.50          | 3.6               |
| Bulgaria . . . . .                             | 43.54          | -              | -              | 42.81          | 49.24          | -13.1             |
| Denmark . . . . .                              | 34.40          | 40.08          | 35.93          | 33.93          | 34.84          | -2.6              |
| Finland . . . . .                              | 46.72          | -              | -              | 46.67          | -              | -                 |
| France . . . . .                               | 48.16          | 44.38          | 42.10          | 44.02          | 41.62          | 5.8               |
| Ireland . . . . .                              | 39.92          | 37.19          | 36.29          | 40.97          | 38.06          | 7.7               |
| Italy . . . . .                                | 46.80          | 45.23          | 45.14          | 45.40          | 44.22          | 2.7               |
| Netherlands . . . . .                          | 42.07          | 43.02          | 39.72          | 42.74          | 42.95          | -.5               |
| Portugal . . . . .                             | 39.98          | 39.46          | 41.54          | 40.43          | 41.20          | -1.9              |
| Romania . . . . .                              | -              | 47.65          | 49.80          | 46.71          | 48.24          | -3.2              |
| Spain . . . . .                                | 40.01          | 36.20          | 48.67          | 43.74          | 47.37          | -7.7              |
| Sweden . . . . .                               | -              | 46.09          | -              | 46.57          | 47.58          | -2.1              |
| Turkey . . . . .                               | 45.89          | 47.82          | 48.54          | 47.17          | 44.58          | 5.8               |
| United Kingdom . . . . .                       | 45.35          | 49.41          | 47.88          | 48.21          | 47.11          | 2.3               |
| West Germany . . . . .                         | 32.86          | 49.00          | 43.54          | 43.53          | 42.99          | 1.2               |
| Yugoslavia . . . . .                           | 48.19          | -              | 41.24          | 47.87          | 45.15          | 6.0               |
| Other <sup>2</sup> . . . . .                   | -              | -              | 40.14          | -              | 39.99          | -                 |
| <b>Asia Total</b> . . . . .                    | <b>45.14</b>   | <b>42.84</b>   | <b>41.95</b>   | <b>43.68</b>   | <b>42.23</b>   | <b>3.4</b>        |
| China (Taiwan) . . . . .                       | 46.05          | 40.79          | 38.84          | 41.27          | 37.76          | 9.3               |
| Hong Kong . . . . .                            | -              | -              | -              | 39.83          | -              | -                 |
| Israel . . . . .                               | -              | 40.97          | -              | 40.97          | 38.33          | 6.9               |
| Japan . . . . .                                | 43.91          | 42.94          | 42.91          | 43.85          | 43.49          | .8                |
| Korea, Republic of . . . . .                   | 47.81          | 45.47          | 46.80          | 46.45          | 45.38          | 2.4               |
| Other <sup>2</sup> . . . . .                   | 40.83          | 39.95          | -              | 40.54          | 39.88          | 1.6               |
| <b>Oceania &amp; Australia Total</b> . . . . . | <b>-</b>       | <b>-</b>       | <b>-</b>       | <b>-</b>       | <b>36.85</b>   | <b>-</b>          |
| <b>Africa Total</b> . . . . .                  | <b>-</b>       | <b>38.93</b>   | <b>38.80</b>   | <b>41.64</b>   | <b>38.58</b>   | <b>7.9</b>        |
| Algeria . . . . .                              | -              | -              | -              | 47.62          | 45.09          | 5.6               |
| Egypt . . . . .                                | -              | 46.44          | 46.36          | 46.44          | 45.30          | 2.5               |
| Morocco . . . . .                              | -              | 34.07          | 33.35          | 34.31          | 30.85          | 11.2              |
| Other <sup>2</sup> . . . . .                   | -              | -              | -              | 49.25          | -              | -                 |
| <b>U.S. Total</b> . . . . .                    | <b>44.23</b>   | <b>44.09</b>   | <b>42.04</b>   | <b>44.28</b>   | <b>42.86</b>   | <b>3.3</b>        |
| <b>J.S. Total<sup>3</sup></b> . . . . .        | <b>44.19</b>   | <b>44.57</b>   | <b>42.67</b>   | <b>44.49</b>   | <b>43.08</b>   | <b>3.3</b>        |

<sup>1</sup>Based on the U.S.-Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government. For this reason the quantity and value for coal (metallurgical and steam) and the quantity for coke are no longer strictly comparable to the historical U.S. series.

<sup>2</sup>Includes countries with exports less than or equal to 50,000 short tons in 1990.

<sup>3</sup>Average price of all coal exports in this category.

Note: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value. The average prices presented in this table are considered to be representative prices for coal exports and fall within the range of \$28 to \$50 inclusively.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

**Table 6. Steam Coal Exports, April 1991**  
(Short Tons)

| Continent and Country<br>of Destination        | April<br>1991    | March<br>1991    | April<br>1990    | Year to Date      |                  | Percent<br>Change |
|--|------------------|------------------|------------------|-------------------|------------------|-------------------|
|  |                  |                  |                  | 1991              | 1990             |                   |
| <b>North America Total</b> . . . . .           | <b>173,017</b>   | <b>9,154</b>     | <b>1,019,818</b> | <b>301,184</b>    | <b>1,779,262</b> | <b>-83.1</b>      |
| Canada <sup>1</sup> . . . . .                  | 150,679          | 7,441            | 1,013,296        | 233,887           | 1,720,891        | -86.4             |
| Dominican Republic . . . . .                   | 18,441           | -                | -                | 37,730            | 21,825           | 72.9              |
| Jamaica . . . . .                              | -                | -                | -                | 18,055            | 16,250           | 11.1              |
| Mexico . . . . .                               | 3,897            | 1,713            | 6,009            | 11,312            | 18,969           | -40.4             |
| Other <sup>2</sup> . . . . .                   | -                | -                | 513              | 200               | 1,327            | -84.9             |
| <b>South America Total</b> . . . . .           | <b>36,892</b>    | <b>39,796</b>    | <b>43,077</b>    | <b>125,525</b>    | <b>189,562</b>   | <b>-33.8</b>      |
| Argentina . . . . .                            | 771              | -                | -                | 771               | -                | -                 |
| Brazil . . . . .                               | -                | 2,728            | -                | 2,728             | 29,011           | -90.6             |
| Chile . . . . .                                | 34,673           | 37,037           | 39,280           | 105,330           | 155,824          | -32.4             |
| Other <sup>2</sup> . . . . .                   | 1,448            | 31               | 3,797            | 16,696            | 4,727            | 253.2             |
| <b>Europe Total</b> . . . . .                  | <b>1,634,543</b> | <b>2,090,060</b> | <b>2,138,071</b> | <b>6,290,086</b>  | <b>5,732,290</b> | <b>9.7</b>        |
| Belgium & Luxembourg . . . . .                 | 64,588           | 378,734          | 349,476          | 456,032           | 714,176          | -36.1             |
| Bulgaria . . . . .                             | -                | -                | -                | -                 | 39,065           | -                 |
| Denmark . . . . .                              | 322,060          | 176,338          | 298,306          | 870,057           | 691,347          | 25.8              |
| Finland . . . . .                              | -                | -                | -                | 216               | -                | -                 |
| France . . . . .                               | -                | 66,723           | 222,474          | 224,687           | 976,553          | -77.0             |
| Ireland . . . . .                              | 72,562           | 136,151          | 168,646          | 394,398           | 471,153          | -16.3             |
| Italy . . . . .                                | 271,196          | 466,669          | 413,541          | 1,553,464         | 1,468,105        | 5.8               |
| Netherlands . . . . .                          | 473,037          | 517,966          | 406,703          | 1,774,331         | 725,772          | 144.5             |
| Norway . . . . .                               | -                | 6,881            | 17,960           | 6,881             | 29,691           | -76.8             |
| Portugal . . . . .                             | 81,719           | 211,915          | 180,389          | 293,634           | 295,698          | -7                |
| Spain . . . . .                                | 43,731           | 99,837           | 127              | 254,172           | 410              | NM                |
| Sweden . . . . .                               | -                | -                | -                | 8,048             | -                | -                 |
| Turkey . . . . .                               | -                | -                | 175              | 108               | 7,389            | -98.5             |
| United Kingdom . . . . .                       | 216,312          | 17,802           | 71,590           | 317,197           | 230,982          | 37.3              |
| West Germany . . . . .                         | 84,037           | 11,044           | 356              | 96,966            | 73,258           | 32.4              |
| Yugoslavia . . . . .                           | -                | -                | 8,175            | 34,594            | 8,175            | 323.2             |
| Other <sup>2</sup> . . . . .                   | 5,301            | -                | 153              | 5,301             | 516              | NM                |
| <b>Asia Total</b> . . . . .                    | <b>300,388</b>   | <b>558,745</b>   | <b>566,562</b>   | <b>2,421,071</b>  | <b>2,727,227</b> | <b>-11.2</b>      |
| China (Taiwan) . . . . .                       | 185,171          | 158,722          | 495,651          | 994,864           | 1,645,432        | -39.5             |
| Hong Kong . . . . .                            | -                | -                | -                | 227,857           | -                | -                 |
| Israel . . . . .                               | -                | 133,185          | -                | 133,185           | 209,122          | -36.3             |
| Japan . . . . .                                | 112,202          | 192,468          | 70,911           | 816,648           | 639,647          | 27.7              |
| Korea, Republic of . . . . .                   | -                | 72,197           | -                | 240,031           | 232,569          | 3.2               |
| Other <sup>2</sup> . . . . .                   | 3,015            | 2,173            | -                | 8,486             | 457              | NM                |
| <b>Oceania &amp; Australia Total</b> . . . . . | <b>19</b>        | <b>56</b>        | <b>-</b>         | <b>75</b>         | <b>555</b>       | <b>-86.5</b>      |
| <b>Africa Total</b> . . . . .                  | <b>-</b>         | <b>101,326</b>   | <b>68,038</b>    | <b>180,724</b>    | <b>253,895</b>   | <b>-28.8</b>      |
| Egypt . . . . .                                | -                | -                | 430              | -                 | 430              | -                 |
| Morocco . . . . .                              | -                | 101,326          | 67,608           | 180,724           | 253,465          | -                 |
| <b>Total</b> . . . . .                         | <b>2,144,859</b> | <b>2,799,137</b> | <b>2,657,500</b> | <b>10,000,000</b> | <b>9,000,000</b> | <b>-10.0</b>      |

<sup>1</sup>NM Percent change calculation not meaningful as value is greater than

<sup>2</sup>Based on the U.S.-Canada Free Trade Agreement, as of January 1989, U.S. exports to Canada based on information on imports provided monthly for coal (metallurgical and steam) and the quantity for coke are no longer

<sup>3</sup>Includes countries with exports less than or equal to 50,000 short tons

Note: Total may not equal sum of components because of independent and anthracite.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly

**Table 7. Average Price of Steam Coal Exports, April 1991**  
(Dollars per Short Ton)

| Continent and Country<br>of Destination    | April<br>1991  | March<br>1991  | April<br>1990  | Year to Date   |                | Percent<br>Change |
|--|----------------|----------------|----------------|----------------|----------------|-------------------|
|  |                |                |                | 1991           | 1990           |                   |
| <b>North America Total</b> .....           | <b>\$36.38</b> | <b>\$37.79</b> | <b>\$34.00</b> | <b>\$34.41</b> | <b>\$34.12</b> | <b>0.9</b>        |
| Canada <sup>1</sup> .....                  | 35.83          | 34.68          | 33.97          | 33.74          | 34.07          | -1.0              |
| Dominican Republic .....                   | 39.12          | -              | -              | 39.12          | 36.38          | 7.5               |
| Jamaica .....                              | -              | -              | -              | 33.48          | 30.57          | 9.5               |
| Mexico .....                               | 39.71          | 48.57          | 37.70          | 40.45          | 39.49          | 2.4               |
| Other <sup>2</sup> .....                   | -              | -              | 35.01          | 34.33          | 35.66          | -3.7              |
| <b>South America Total</b> .....           | <b>36.48</b>   | <b>36.59</b>   | <b>38.63</b>   | <b>36.32</b>   | <b>35.45</b>   | <b>2.5</b>        |
| Argentina .....                            | 34.45          | -              | -              | 34.45          | -              | -                 |
| Brazil .....                               | -              | -              | -              | -              | 41.05          | -                 |
| Chile .....                                | 36.61          | 36.59          | 38.50          | 36.58          | 34.27          | 6.8               |
| Other <sup>2</sup> .....                   | 34.47          | -              | 39.98          | 34.75          | 39.98          | -13.1             |
| <b>Europe Total</b> .....                  | <b>38.17</b>   | <b>39.13</b>   | <b>38.47</b>   | <b>38.69</b>   | <b>38.31</b>   | <b>1.0</b>        |
| Belgium & Luxembourg .....                 | 32.05          | 37.71          | 37.60          | 36.99          | 36.93          | 2                 |
| Bulgaria .....                             | -              | -              | -              | -              | 48.99          | -                 |
| Denmark .....                              | 34.40          | 40.08          | 35.93          | 33.93          | 34.84          | -2.6              |
| Finland .....                              | -              | -              | -              | 40.75          | -              | -                 |
| France .....                               | -              | 36.29          | 37.17          | 36.32          | 36.97          | -1.8              |
| Ireland .....                              | 39.92          | 37.19          | 36.29          | 40.97          | 38.06          | 7.7               |
| Italy .....                                | 41.91          | 41.28          | 39.88          | 41.02          | 40.02          | 2.5               |
| Netherlands .....                          | 39.10          | 39.12          | 39.12          | 39.22          | 38.03          | 3.1               |
| Portugal .....                             | 39.98          | 39.46          | 41.54          | 39.60          | 39.76          | -4                |
| Spain .....                                | 28.15          | 36.20          | 40.06          | 34.59          | 39.96          | -13.4             |
| Sweden .....                               | -              | -              | -              | 41.64          | -              | -                 |
| Turkey .....                               | -              | -              | 40.01          | 40.73          | 40.01          | 1.8               |
| United Kingdom .....                       | 41.69          | 36.29          | 42.74          | 41.96          | 44.92          | -6.6              |
| West Germany .....                         | 32.86          | 49.04          | 40.04          | 34.78          | 40.27          | -13.6             |
| Other <sup>2</sup> .....                   | -              | -              | 40.14          | -              | 39.99          | -                 |
| <b>Asia Total</b> .....                    | <b>42.09</b>   | <b>37.75</b>   | <b>38.61</b>   | <b>38.48</b>   | <b>37.66</b>   | <b>2.2</b>        |
| China (Taiwan) .....                       | 45.03          | 40.79          | 38.84          | 40.44          | 37.25          | 8.5               |
| Hong Kong .....                            | -              | -              | -              | 39.83          | -              | -                 |
| Israel .....                               | -              | 40.97          | -              | 40.97          | 38.33          | 6.9               |
| Japan .....                                | 37.26          | 32.17          | 36.85          | 34.88          | 37.96          | -8.1              |
| Korea, Republic of .....                   | -              | 39.92          | -              | 39.92          | 39.11          | 2.1               |
| Other <sup>2</sup> .....                   | 40.83          | 39.95          | -              | 40.54          | 39.88          | 1.6               |
| <b>Oceania &amp; Australia Total</b> ..... | <b>-</b>       | <b>-</b>       | <b>-</b>       | <b>-</b>       | <b>36.85</b>   | <b>-</b>          |
| <b>Africa Total</b> .....                  | <b>-</b>       | <b>33.34</b>   | <b>33.37</b>   | <b>33.64</b>   | <b>30.86</b>   | <b>9.0</b>        |
| Egypt .....                                | -              | -              | 35.91          | -              | 35.91          | -                 |
| Morocco .....                              | -              | 33.34          | 33.35          | 33.64          | 30.85          | 9.0               |
| <b>Total</b> .....                         | <b>38.58</b>   | <b>38.61</b>   | <b>37.30</b>   | <b>38.39</b>   | <b>37.25</b>   | <b>3.1</b>        |
| <b>U.S. Total<sup>3</sup></b> .....        | <b>39.17</b>   | <b>38.80</b>   | <b>38.60</b>   | <b>38.57</b>   | <b>37.84</b>   | <b>1.9</b>        |

<sup>1</sup>Based on the U.S.-Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government. For this reason the quantity and value for coal (metallurgical and steam) and the quantity for coke are no longer strictly comparable to the historical U.S. series.

<sup>2</sup>Includes countries with exports less than or equal to 50,000 short tons in 1990.

<sup>3</sup>Average price of all steam coal exports.

Note: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value. The average prices presented in this table are considered to be representative prices for coal exports and fall within the range of \$28 to \$50 inclusively. Steam coal includes bituminous, subbituminous, lignite, and anthracite.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

**Table 8. Metallurgical Coal Exports, April 1991**  
(Short Tons)

| Continent and Country<br>of Destination | April<br>1991    | March<br>1991    | April<br>1990    | Year to Date      |                   | Percent<br>Change |
|---|------------------|------------------|------------------|-------------------|-------------------|-------------------|
|   |                  |                  |                  | 1991              | 1990              |                   |
| <b>North America Total</b> . . . . .    | <b>192,702</b>   | <b>412</b>       | <b>301,199</b>   | <b>195,115</b>    | <b>328,473</b>    | <b>-40.6</b>      |
| Canada <sup>1</sup> . . . . .           | 192,702          | 390              | 300,984          | 195,093           | 328,258           | -40.6             |
| Other <sup>2</sup> . . . . .            | -                | 22               | 215              | 22                | 215               | -89.8             |
| <b>South America Total</b> . . . . .    | <b>690,414</b>   | <b>540,046</b>   | <b>300,985</b>   | <b>2,112,028</b>  | <b>2,419,201</b>  | <b>-12.7</b>      |
| Argentina . . . . .                     | -                | -                | -                | 102,862           | 259,827           | -60.4             |
| Brazil . . . . .                        | 690,414          | 540,046          | 300,985          | 2,009,166         | 2,133,188         | -5.8              |
| Chile . . . . .                         | -                | -                | -                | -                 | 26,186            | -                 |
| <b>Europe Total</b> . . . . .           | <b>2,456,314</b> | <b>3,709,156</b> | <b>3,021,062</b> | <b>12,827,556</b> | <b>12,801,853</b> | <b>.2</b>         |
| Albania . . . . .                       | -                | 22,402           | 24,860           | 67,654            | 71,224            | -5.0              |
| Belgium & Luxembourg . . . . .          | 640,612          | 582,252          | 455,986          | 2,146,644         | 2,062,731         | 4.1               |
| Bulgaria . . . . .                      | 44,204           | -                | -                | 246,286           | 48,890            | 401.7             |
| Denmark . . . . .                       | 78,369           | -                | -                | 78,369            | 55,572            | 41.0              |
| Finland . . . . .                       | 51,018           | -                | -                | 84,236            | -                 | -                 |
| France . . . . .                        | 355,588          | 434,457          | 382,146          | 1,925,233         | 1,937,782         | -6                |
| Italy . . . . .                         | 425,461          | 621,871          | 708,072          | 1,826,867         | 2,530,046         | -27.8             |
| Netherlands . . . . .                   | 247,739          | 553,902          | 31,669           | 1,571,799         | 1,246,121         | 26.1              |
| Norway . . . . .                        | -                | 7,275            | 15,317           | 23,857            | 31,292            | -23.8             |
| Portugal . . . . .                      | -                | -                | -                | 35,547            | 66,323            | -46.4             |
| Romania . . . . .                       | -                | 262,747          | 336,611          | 530,724           | 606,705           | -12.5             |
| Spain . . . . .                         | 152,999          | 457,651          | 181,869          | 1,265,707         | 1,167,807         | 8.4               |
| Sweden . . . . .                        | -                | 134,060          | 5,085            | 207,784           | 87,934            | 136.3             |
| Turkey . . . . .                        | 199,563          | 120,714          | 147,322          | 833,680           | 668,447           | 24.7              |
| United Kingdom . . . . .                | 178,633          | 465,944          | 480,997          | 1,499,625         | 1,472,797         | 1.8               |
| West Germany . . . . .                  | -                | 40,912           | 176,510          | 150,595           | 334,301           | -55.0             |
| Yugoslavia . . . . .                    | 82,128           | -                | 74,618           | 323,765           | 397,229           | -18.5             |
| Other <sup>2</sup> . . . . .            | -                | 4,969            | -                | 10,184            | 16,652            | -38.8             |
| <b>Asia Total</b> . . . . .             | <b>1,433,163</b> | <b>733,582</b>   | <b>1,025,493</b> | <b>4,319,870</b>  | <b>4,390,742</b>  | <b>-1.6</b>       |
| China (Taiwan) . . . . .                | 132,712          | -                | -                | 132,712           | 105,060           | 26.3              |
| Japan . . . . .                         | 928,630          | 612,868          | 897,859          | 3,219,170         | 3,319,842         | -3.0              |
| Korea, Republic of . . . . .            | 371,821          | 120,714          | 127,634          | 967,988           | 965,840           | .2                |
| <b>Africa Total</b> . . . . .           | <b>-</b>         | <b>194,928</b>   | <b>105,754</b>   | <b>462,160</b>    | <b>349,901</b>    | <b>32.1</b>       |
| Algeria . . . . .                       | -                | 63,844           | 57,396           | 176,443           | 101,501           | 73.8              |
| Egypt . . . . .                         | -                | 91,486           | 48,358           | 141,690           | 248,400           | -43.0             |
| Morocco . . . . .                       | -                | 39,598           | -                | 75,242            | -                 | -                 |
| Other <sup>2</sup> . . . . .            | -                | -                | -                | 68,785            | -                 | -                 |
| <b>Total</b> . . . . .                  | <b>4,772,593</b> | <b>5,178,124</b> | <b>4,754,493</b> | <b>19,916,729</b> | <b>20,290,170</b> | <b>-1.6</b>       |

<sup>1</sup>Based on the U.S.-Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting U.S. exports to Canada based on information on imports provided monthly by the Canadian government. For this reason the quantity for coal (metallurgical and steam) and the quantity for coke are no longer strictly comparable to the historical U.S. series.

<sup>2</sup>Includes countries with exports less than or equal to 50,000 short tons in 1990.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

**Table 9. Average Price of Metallurgical Coal Exports, April 1991**  
(Dollars per Short Ton)

| Continent and Country<br>of Destination | April<br>1991  | March<br>1991 | April<br>1990  | Year to Date   |                | Percent<br>Change |
|---|----------------|---------------|----------------|----------------|----------------|-------------------|
|   |                |               |                | 1991           | 1990           |                   |
| <b>North America Total</b> . . . . .    | <b>\$38.86</b> | <b>\$-</b>    | <b>\$34.73</b> | <b>\$38.83</b> | <b>\$34.83</b> | <b>11.5</b>       |
| Canada <sup>1</sup> . . . . .           | 38.86          | -             | 34.72          | 38.83          | 34.82          | 11.5              |
| Other <sup>2</sup> . . . . .            | -              | -             | 49.93          | -              | 49.93          | -                 |
| <b>South America Total</b> . . . . .    | <b>46.91</b>   | <b>48.17</b>  | <b>46.72</b>   | <b>47.73</b>   | <b>46.07</b>   | <b>3.6</b>        |
| Argentina . . . . .                     | -              | -             | -              | 47.41          | 43.89          | 8.0               |
| Brazil . . . . .                        | 46.91          | 48.17         | 46.72          | 47.74          | 46.30          | 3.1               |
| Chile . . . . .                         | -              | -             | -              | -              | 48.84          | -                 |
| <b>Europe Total</b> . . . . .           | <b>47.95</b>   | <b>47.56</b>  | <b>47.47</b>   | <b>47.44</b>   | <b>46.27</b>   | <b>2.5</b>        |
| Albania . . . . .                       | -              | 46.27         | 49.90          | 46.27          | 48.38          | -4.4              |
| Belgium & Luxembourg . . . . .          | 48.20          | 47.49         | 46.93          | 48.04          | 47.12          | 1.9               |
| Bulgaria . . . . .                      | 43.54          | -             | -              | 42.81          | 49.44          | -13.4             |
| Finland . . . . .                       | 46.72          | -             | -              | 46.69          | -              | -                 |
| France . . . . .                        | 48.16          | 45.63         | 44.97          | 44.92          | 43.96          | 2.2               |
| Italy . . . . .                         | 49.92          | 48.20         | 48.21          | 49.13          | 46.66          | 5.3               |
| Netherlands . . . . .                   | 47.75          | 46.66         | 47.37          | 46.71          | 45.81          | 2.0               |
| Portugal . . . . .                      | -              | -             | -              | 47.25          | 47.64          | -                 |
| Romania . . . . .                       | -              | 47.65         | 49.80          | 46.71          | 48.24          | -3.2              |
| Spain . . . . .                         | 43.40          | -             | 48.68          | 47.58          | 47.37          | .4                |
| Sweden . . . . .                        | -              | 46.09         | -              | 46.76          | 47.58          | -1.7              |
| Turkey . . . . .                        | 45.89          | 47.82         | 48.55          | 47.18          | 44.58          | 5.8               |
| United Kingdom . . . . .                | 49.78          | 49.91         | 48.65          | 49.46          | 47.45          | 4.2               |
| West Germany . . . . .                  | -              | 48.99         | 43.55          | 49.09          | 43.59          | 12.6              |
| Yugoslavia . . . . .                    | 48.19          | -             | 41.24          | 47.87          | 45.15          | 6.0               |
| <b>Asia Total</b> . . . . .             | <b>45.77</b>   | <b>46.73</b>  | <b>43.77</b>   | <b>46.60</b>   | <b>45.11</b>   | <b>3.3</b>        |
| China (Taiwan) . . . . .                | 47.48          | -             | -              | 47.48          | 45.64          | 4.0               |
| Japan . . . . .                         | 44.72          | 46.32         | 43.34          | 46.12          | 44.56          | 3.5               |
| Korea, Republic of . . . . .            | 47.81          | 48.79         | 46.80          | 48.07          | 46.88          | 2.5               |
| <b>Africa Total</b> . . . . .           | <b>-</b>       | <b>43.26</b>  | <b>46.45</b>   | <b>45.27</b>   | <b>45.28</b>   | <b>*</b>          |
| Algeria . . . . .                       | -              | -             | -              | 47.62          | 45.09          | 5.6               |
| Egypt . . . . .                         | -              | 46.44         | 46.45          | 46.44          | 45.32          | 2.5               |
| Morocco . . . . .                       | -              | 35.93         | -              | 35.92          | -              | -                 |
| Other <sup>2</sup> . . . . .            | -              | -             | -              | 49.25          | -              | -                 |
| <b>Total</b> . . . . .                  | <b>46.76</b>   | <b>47.38</b>  | <b>45.77</b>   | <b>47.14</b>   | <b>45.79</b>   | <b>3.0</b>        |
| <b>U.S. Total<sup>3</sup></b> . . . . . | <b>46.45</b>   | <b>47.69</b>  | <b>45.95</b>   | <b>47.26</b>   | <b>45.83</b>   | <b>3.1</b>        |

\*For quantity data, the value of the number is less than 0.5 thousand short tons. For percentage calculations, the absolute value of the number is less than 0.05 percent.

<sup>1</sup>Based on the U.S.-Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government. For this reason the quantity and value for coal (metallurgical and steam) and the quantity for coke are no longer strictly comparable to the historical U.S. series.

<sup>2</sup>Includes countries with exports less than or equal to 50,000 short tons in 1990.

<sup>3</sup>Average price of all metallurgical coal exports.

Note: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value. The average prices presented in this table are considered to be representative prices for coal exports and fall within the range of \$28 to \$50 inclusively.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

**Table 10. Coal Exports by Customs District, April 1991  
(Short Tons)**

| Customs District                | April<br>1991    | March<br>1991    | April<br>1990    | Year to Date      |                   | Percent<br>Change |
|---------------------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|
|                                 |                  |                  |                  | 1991              | 1990              |                   |
| <b>Eastern Total</b> . . . . .  | <b>5,218,912</b> | <b>6,112,124</b> | <b>4,941,739</b> | <b>20,878,425</b> | <b>20,565,335</b> | <b>1.5</b>        |
| Baltimore, MD . . . . .         | 739,871          | 677,308          | 724,865          | 1,852,969         | 2,793,491         | -33.7             |
| Portland, ME . . . . .          | -                | -                | -                | -                 | 493               | -                 |
| Buffalo, NY . . . . .           | 1,183            | 5,331            | 5,362            | 14,713            | 19,601            | -24.9             |
| New York City, NY . . . . .     | 266              | 224              | 1,120            | 1,177             | 3,161             | -62.8             |
| Ogdensburg, NY . . . . .        | 1,632            | 1,179            | 1,524            | 7,037             | 6,250             | 12.6              |
| Philadelphia, PA . . . . .      | 70,245           | 131,476          | 224,378          | 201,721           | 678,728           | -70.3             |
| Norfolk, VA . . . . .           | 4,405,636        | 5,296,606        | 3,984,490        | 18,800,650        | 17,063,611        | 10.2              |
| St Albans, VT . . . . .         | 79               | -                | -                | 158               | -                 | -                 |
| <b>Southern Total</b> . . . . . | <b>1,355,657</b> | <b>1,653,349</b> | <b>2,247,275</b> | <b>6,804,993</b>  | <b>7,524,135</b>  | <b>-9.6</b>       |
| Mobile, AL . . . . .            | 449,559          | 761,230          | 760,163          | 2,768,468         | 3,000,154         | -7.7              |
| Miami, FL . . . . .             | -                | -                | 215              | 431               | 215               | 100.5             |
| Tampa, FL . . . . .             | 1,353            | -                | 206              | 2,105             | 18,099            | -88.4             |
| New Orleans, LA . . . . .       | 805,822          | 784,880          | 1,240,216        | 3,586,039         | 3,856,315         | -7.0              |
| Charleston, SC . . . . .        | 72,379           | 85,607           | 238,727          | 374,623           | 600,676           | -37.6             |
| Houston-Galveston, TX . . . . . | 23,148           | 19,919           | 4,412            | 63,614            | 33,899            | 87.7              |
| Laredo, TX . . . . .            | 3,396            | 1,713            | 3,336            | 9,713             | 14,777            | -34.3             |
| <b>Western Total</b> . . . . .  | <b>31,896</b>    | <b>210,467</b>   | <b>168,252</b>   | <b>1,173,798</b>  | <b>933,817</b>    | <b>25.7</b>       |
| Anchorage, AK . . . . .         | -                | 72,197           | -                | 240,031           | 232,569           | 3.2               |
| Nogales, AZ . . . . .           | -                | -                | 2,673            | -                 | 2,673             | -                 |
| Los Angeles, CA . . . . .       | 534              | 298              | 158,141          | 755,961           | 678,230           | 11.5              |
| San Diego, CA . . . . .         | 501              | -                | -                | 1,599             | 1,519             | 5.3               |
| San Francisco, CA . . . . .     | -                | 1,069            | 7,383            | 1,069             | 7,383             | -85.5             |
| Portland, OR . . . . .          | -                | 74,454           | -                | 74,454            | -                 | -                 |
| Seattle, WA . . . . .           | 30,861           | 62,449           | 55               | 100,684           | 11,443            | NM                |
| <b>Northern Total</b> . . . . . | <b>309,876</b>   | <b>125</b>       | <b>1,230,730</b> | <b>373,551</b>    | <b>1,939,910</b>  | <b>-80.7</b>      |
| Chicago, IL . . . . .           | -                | -                | 8,682            | 108               | 8,682             | -98.8             |
| Detroit, MI . . . . .           | 140              | 125              | 202,426          | 1,262             | 828,337           | -99.8             |
| Pembina, ND . . . . .           | -                | -                | -                | -                 | 87                | -                 |
| Cleveland, OH . . . . .         | 309,736          | -                | 1,019,622        | 372,181           | 1,102,804         | -66.3             |
| <b>Total</b> . . . . .          | <b>6,917,452</b> | <b>7,977,261</b> | <b>8,590,059</b> | <b>29,235,394</b> | <b>30,972,961</b> | <b>-5.6</b>       |

<sup>1</sup>Percent change calculation not meaningful as value is greater than 500.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."



**Table 11. Coke Exports, April 1991**  
(Short Tons)

| Continent and Country<br>of Destination | April<br>1991 | March<br>1991 | April<br>1990 | Year to Date   |                | Percent<br>Change |
|---|---------------|---------------|---------------|----------------|----------------|-------------------|
|   |               |               |               | 1991           | 1990           |                   |
| <b>North America Total</b> .....        | <b>40,986</b> | <b>11,784</b> | <b>33,242</b> | <b>80,636</b>  | <b>109,628</b> | <b>-26.4</b>      |
| Canada <sup>1</sup> .....               | 35,309        | 6,605         | 27,378        | 57,789         | 62,832         | -8.0              |
| Mexico .....                            | 5,519         | 5,158         | 5,773         | 22,461         | 46,470         | -51.7             |
| Other <sup>2</sup> .....                | 158           | 21            | 91            | 386            | 326            | 18.4              |
| <b>South America Total</b> .....        | <b>9,792</b>  | <b>49</b>     | <b>-</b>      | <b>9,841</b>   | <b>21,761</b>  | <b>-54.8</b>      |
| <b>Europe Total</b> ..                  | <b>44,166</b> | <b>-</b>      | <b>-</b>      | <b>44,166</b>  | <b>33,659</b>  | <b>31.2</b>       |
| <b>Total</b> .....                      | <b>94,944</b> | <b>11,833</b> | <b>33,242</b> | <b>134,643</b> | <b>165,048</b> | <b>-18.4</b>      |

<sup>1</sup>Based on the U.S.-Canada Free Trade Agreement, as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government. For this reason the quantity and value for coal (metallurgical and steam) and the quantity for coke are no longer strictly comparable to the historical U.S. series.

<sup>2</sup>Includes countries with exports less than or equal to 50,000 short tons in 1990.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

**Table 12. Coal Imports, April 1991**  
(Short Tons)

| Continent and Country<br>of Origin         | April<br>1991  | March<br>1991  | April<br>1990  | Year to Date     |                | Percent<br>Change |
|--|----------------|----------------|----------------|------------------|----------------|-------------------|
|  |                |                |                | 1991             | 1990           |                   |
| <b>North America Total</b> .....           | <b>66,239</b>  | <b>55,856</b>  | <b>81,560</b>  | <b>252,203</b>   | <b>333,024</b> | <b>-24.3</b>      |
| Canada .....                               | 66,239         | 55,856         | 81,560         | 252,203          | 326,820        | -22.8             |
| Mexico .....                               | -              | -              | -              | -                | 6,204          | -                 |
| <b>South America Total</b> .....           | <b>132,043</b> | <b>190,122</b> | <b>100,421</b> | <b>852,932</b>   | <b>583,591</b> | <b>46.2</b>       |
| Colombia .....                             | 106,839        | 162,564        | 76,892         | 724,632          | 492,513        | 47.1              |
| Venezuela .....                            | 25,204         | 27,558         | 23,529         | 128,300          | 91,078         | 40.9              |
| <b>Oceania &amp; Australia Total</b> ..... | <b>-</b>       | <b>-</b>       | <b>-</b>       | <b>31,106</b>    | <b>-</b>       | <b>-</b>          |
| Australia .....                            | -              | -              | -              | 31,106           | -              | -                 |
| <b>Total</b> .....                         | <b>198,282</b> | <b>245,978</b> | <b>181,981</b> | <b>1,136,241</b> | <b>916,615</b> | <b>24.0</b>       |

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

**Table 13. Average Price of Coal Imports, April 1991**  
(Dollars per Short Ton)

| Continent and Country of Origin                | April 1991     | March 1991     | April 1990     | Year to Date   |                | Percent Change |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
|  |                |                |                | 1991           | 1990           |                |
| <b>North America Total</b> . . . . .           | <b>\$25.00</b> | <b>\$24.09</b> | <b>\$24.13</b> | <b>\$24.84</b> | <b>\$26.44</b> | <b>-6.0</b>    |
| Canada . . . . .                               | 25.00          | 24.09          | 24.13          | 24.84          | 26.13          | -4.9           |
| Mexico . . . . .                               | -              | -              | -              | -              | 38.36          | -              |
| <b>South America Total</b> . . . . .           | <b>34.79</b>   | <b>33.53</b>   | <b>39.56</b>   | <b>34.69</b>   | <b>38.15</b>   | <b>-9.1</b>    |
| Colombia . . . . .                             | 32.33          | 31.91          | 37.07          | 33.49          | 37.36          | -10.4          |
| Venezuela . . . . .                            | 45.22          | 43.09          | 47.67          | 41.48          | 42.45          | -2.3           |
| <b>Oceania &amp; Australia Total</b> . . . . . | <b>-</b>       | <b>-</b>       | <b>-</b>       | <b>37.97</b>   | <b>-</b>       | <b>-</b>       |
| Australia . . . . .                            | -              | -              | -              | 37.97          | -              | -              |
| <b>Total</b> . . . . .                         | <b>32.93</b>   | <b>31.69</b>   | <b>37.50</b>   | <b>32.99</b>   | <b>34.67</b>   | <b>-4.9</b>    |
| <b>U.S. Total<sup>1</sup></b> . . . . .        | <b>32.09</b>   | <b>33.12</b>   | <b>31.45</b>   | <b>33.42</b>   | <b>34.35</b>   | <b>-2.7</b>    |

<sup>1</sup>Average price of all coal imports

Note: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value. The average prices presented in this table are considered to be representative prices for coal imports and fall within the range of \$20 to \$50 inclusively.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

**Table 14. Coal Imports by Customs District, April 1991**  
(Short Tons)

| Customs District                | April 1991     | March 1991     | April 1990     | Year to Date  |                | Percent Change |
|---------------------------------|----------------|----------------|----------------|---------------|----------------|----------------|
|                                 |                |                |                | 1991          | 1990           |                |
| <b>Eastern Total</b> . . . . .  | <b>25,204</b>  | <b>-</b>       | <b>23,553</b>  | <b>88,906</b> | <b>185,843</b> | <b>-52.2</b>   |
| Boston, MA . . . . .            | -              | -              | -              | -             | 99,723         | -              |
| Portland, ME . . . . .          | 25,204         | -              | 23,529         | 53,731        | 86,075         | -              |
| Buffalo, NY . . . . .           | -              | -              | 24             | -             | 24             | -              |
| Ogdensburg, NY . . . . .        | -              | -              | -              | -             | 21             | -              |
| Philadelphia, PA . . . . .      | -              | -              | -              | 35,175        | -              | -              |
| <b>Southern Total</b> . . . . . | <b>106,839</b> | <b>190,122</b> | <b>76,892</b>  |               |                |                |
| Tampa, FL . . . . .             | 106,839        | 140,237        | 40,780         |               |                |                |
| New Orleans, LA . . . . .       | -              | -              | -              |               |                |                |
| San Juan, PR . . . . .          | -              | 22,327         | 36,112         |               |                |                |
| Houston-Galveston, TX . . . . . | -              | -              | -              |               |                |                |
| Laredo, TX . . . . .            | -              | -              | -              |               |                |                |
| Virgin Islands . . . . .        | -              | 27,558         | -              |               |                |                |
| <b>Western Total</b> . . . . .  | <b>5,432</b>   | <b>11,476</b>  | <b>10,120</b>  |               |                |                |
| Honolulu, HI . . . . .          | -              | -              | -              |               |                |                |
| Great Falls, MT . . . . .       | 5,432          | 7,476          | 5,120          |               |                |                |
| Seattle, WA . . . . .           | -              | 4,000          | 5,000          |               |                |                |
| <b>Northern Total</b> . . . . . | <b>60,807</b>  | <b>44,380</b>  | <b>71,416</b>  |               |                |                |
| Chicago, IL . . . . .           | 28,756         | -              | 57,558         |               |                |                |
| Detroit, MI . . . . .           | -              | 8              | -              |               |                |                |
| Pembina, ND . . . . .           | 32,051         | 44,372         | 13,858         |               |                |                |
| <b>Total</b> . . . . .          | <b>198,282</b> | <b>245,978</b> | <b>181,981</b> | <b>1,</b>     |                |                |

<sup>1</sup>Percent change calculation not meaningful as value is greater than 500.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

**Table 15. Coke Imports, April 1991**  
(Short Tons)

| Continent and Country<br>of Origin             | April<br>1991 | March<br>1991 | April<br>1990 | Year to Date |         | Percent<br>Change |
|--|---------------|---------------|---------------|--------------|---------|-------------------|
|  |               |               |               | 1991         | 1990    |                   |
| <b>North America Total</b> . . . . .           | 725           | 1,005         | 1,291         | 11,782       | 26,510  | -55.6             |
| Canada . . . . .                               | 725           | 1,005         | 1,291         | 11,782       | 4,723   | 149.5             |
| Mexico . . . . .                               | -             | -             | -             | -            | 21,787  | -                 |
| <b>Europe Total</b> . . . . .                  | -             | -             | -             | -            | 19,080  | -                 |
| Italy . . . . .                                | -             | -             | -             | -            | 19,080  | -                 |
| <b>Asia Total</b> . . . . .                    | 86,192        | 40,337        | -             | 207,369      | 122,986 | 68.6              |
| Japan . . . . .                                | 86,192        | 40,337        | -             | 207,369      | 122,986 | 68.6              |
| <b>Oceania &amp; Australia Total</b> . . . . . | 39,797        | 35,749        | -             | 75,546       | -       | -                 |
| Australia . . . . .                            | 39,797        | 35,749        | -             | 75,546       | -       | -                 |
| <b>Total</b> . . . . .                         | 126,714       | 77,091        | 1,291         | 294,697      | 168,576 | 74.8              |

Note: Total may not equal sum of components because of independent rounding.  
Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

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